

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
19 February 2004 (19.02.2004)

PCT

(10) International Publication Number
WO 2004/015566 A1

(51) International Patent Classification⁷: **G06F 9/44**

(21) International Application Number:
PCT/EP2003/008409

(22) International Filing Date: 30 July 2003 (30.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02017408.2 2 August 2002 (02.08.2002) EP

(71) Applicant (for all designated States except US): **SAP AK-TIENGESELLSCHAFT [DE/DE]**; Neurottstr. 16, 69190 Walldorf (DE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **MOSER, Martin [DE/DE]**; Zwischen den Bächen 12, 69207 Sandhausen (DE).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

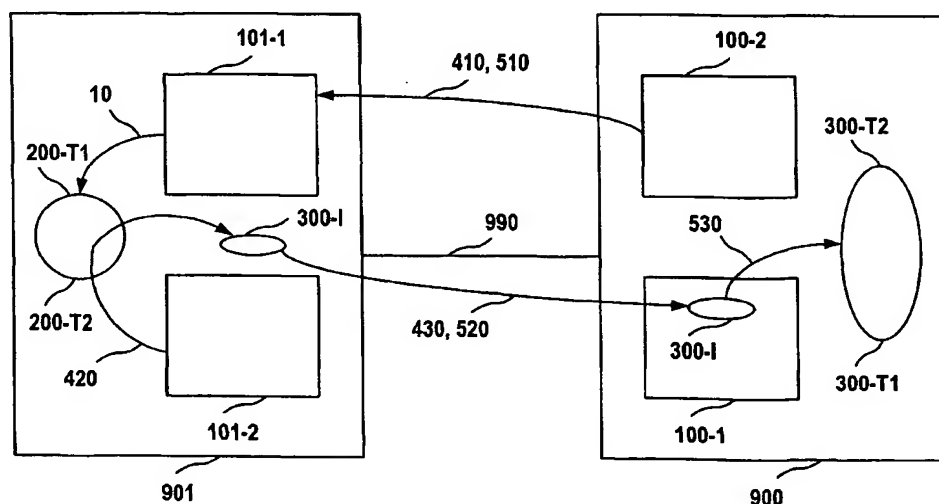
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **METHOD AND COMPUTER SYSTEM FOR HANDLING INCREMENTAL DATA IN CLIENT-SERVER COMMUNICATION**



(57) Abstract: A server-controller (101-1) on a server (901) receives (410) a modification-request generated by a client-controller (100-2) of a client (900) to modify an original model (200-T1) of an application component that is stored on the server (901) into a modified model (200-T2). A server-renderer (101-2) generates (420) at least one browser-increment (300-I) that corresponds to the difference between the original model (200-T1) and the modified model (200-T2). A client-assembler (100-1) receives the at least one browser-increment (300-I) from the server (901) and updates at the client (900) an original DOM component (300-T1) that corresponds to the original model (200-T1) with the at least one browser-increment (300-I), resulting in a modified DOM component (300-T2) that corresponds to the modified model (200-T2).